



# 9 7/26/99  
Amold K  
PATENT  
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : M. Allen Northrup et al.  
Serial No.: 08/900,735  
Filed : 07/24/1997  
Title : MICROFABRICATED REACTOR

Art Unit: 1634  
Examiner: Sisson, B.

Assistant Commissioner for Patents  
Washington, DC 20231

RESPONSE

In response to the examiner's action dated January 15, 1999, please amend the claims as follows.

C1  
1. (Twice amended) An apparatus [instrument] for controlling [at least one] a chemical reaction, comprising:

a) an array of chambers [for containment of the reaction] including:

[at least one] a reaction chamber configured to contain a chemical reaction [for preparing a sample for use in said reactions];

at least one reactant chamber configured to receive one or more reactants [for adding or removing reagents involved in said reactions];

at least one channel interconnecting said reaction and reactant chambers;

b) a heater configured to heat reactants in the reaction chamber;

[b)] c) a temperature controller coupled to the heater and configured to control the temperature of a reaction in the reaction chamber [of said reaction];  
and

[c)] d) a product analysis chamber coupled to the reaction chamber and adapted to analyze reaction products contained in the product analysis chamber.

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03 FC:103

36.00 OP

Date of Deposit

7/12/99

I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Sheri Wysocki

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